

Individual Task Assessment 3.1.C

Name _____

Class _____

Teacher _____

Date _____

6.NS.5 Understand that positive and negative numbers are used together to describe quantities having opposite directions or values; use positive and negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation.
 6.NS.6a Recognize opposite signed numbers as indicating locations on opposite sides of 0 on the number line; recognize that the opposite of the opposite of a number is the number itself.
 6.NS.7a Interpret statements of inequality as statements about the relative position of two numbers on a number line diagram.
 6.NS.7b Write, interpret, and explain statements of order for rational numbers in real-world contexts.
 6.NS.7c Understand the absolute value of a rational number as its distance from 0 on the number line; interpret absolute value as magnitude for a positive or negative quantity in a real-world situation.
 6.NS.7d Distinguish comparisons of absolute value from statements about order.

Rubric					
Operations	4	3	2	1	0
Errors	4	3	2	1	0
Explanation	4	3	2	1	0
Process	4	3	2	1	0
Total Score					



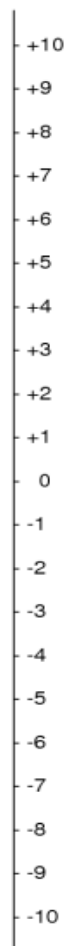
The whole Winslow family is going to visit great-grandma Winslow at her cabin in the mountains. Since the family is so large, they are driving up to grandma's house in two separate cars. The kids are in one car, driven by Eddie and the adults are in another car, driven by Carl.

1. Eddie's car is running late so they are behind the other car. Eddie's car is at an elevation of -7. Plot and label Eddie's elevation as point E on the vertical (up & down) number line to the right.

2. Carl's elevation is opposite Eddie's elevation. Plot and label Carl's elevation as point C on the number line to the right.

3. What is the difference in the two cars' elevation in feet? (Add the absolute value of each of the locations.)

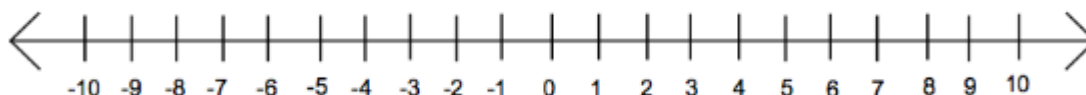
Answer: _____



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Both cars have finally arrived at great-grandma's cabin at the top of the mountain.

Directions: Use the number line to plot the points for questions 4-6.



4. Grandma's cabin is at point 10. Plot and label the cabin as point G.
5. The nearest grocery store is located at 8.5. Plot and label the grocery store as point S.
(.5 is the same thing as $\frac{1}{2}$)
6. Laura is bored and wants to go see a movie. The movie theater is located at $-6\frac{1}{2}$. Plot and label the movie theater as point T.
7. After the movie, Laura wants to meet Steve for a slice of pizza. The pizza shop is located at point 0.

Part A. Plot and label the pizza shop as point P.

Part B. Should Laura drive left or right to get to the pizza shop?
(The number line above may help you figure out which direction he needs to walk.)

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8. Steve is still at grandma's cabin. Who is closer to the pizza shop?
(Which point is closest to 0 on the number line?)

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9. Part A. Harriet recorded the temperatures for the first two days of their trip. On Monday, the temperature was -4°F and on Tuesday, the temperature was -4.5°F . Write an inequality ($>$, $<$, or $=$) to compare the two temperatures.

_____ $^{\circ}\text{F}$ _____ $^{\circ}\text{F}$

Part B. Explain what it means in sentence form. (Ex. - This temperature is colder than this temperature.)

_____ $^{\circ}\text{F}$ is _____ than _____ $^{\circ}\text{F}$.